

THE SPECIES OF THE GENUS EUTHYPLATYSTOMA HENDEL  
(DIPTERA, PLATYSTOMATIDAE)

GEORGE C. STEYSKAL

Systematic Entomology Laboratory, IIBIII, Agr. Res. Serv., USDA<sup>1</sup>

ABSTRACT—A new key to the species of the southeast Asian genus *Euthyplatystoma* is given. *Euthyplatystoma punctiplenum* (Walker) is removed from synonymy and *E. minutum* Frey placed as a synonym of it.

The small group of southeast Asian species for which Hendel (1914) erected the genus *Euthyplatystoma* has been taxonomically confused since Hendel in the same publication synonymized *Platystoma punctiplena* Walker with the type-species of his genus, *Platystoma rigida* Walker.

I am indebted to John Deeming, formerly of the British Museum (Natural History), for data on the Walker types that has enabled me to construct the following key to the species and to give the following notes on synonymy.

Key to Species of the Genus *Euthyplatystoma* Hendel

- 1(2) Thorax and scutellum rust-colored; arista bare ..... *E. superbum* Wulp  
2(1) Thorax and scutellum of black ground color; arista plumose.  
3(4) Back of head ochreous; palpus yellowish in nearly apical half .....  
..... *E. sauteri* Hendel  
4(3) Back of head black; palpus nearly wholly black.  
5(6) Third antennal segment largely blackish; posterior notopleural bristle  
posterior to transverse suture and in vertical line with mesopleural  
bristle; hairs on lower side of forefemur, especially toward base  
of femur, white ..... *E. punctiplenum* (Walker)  
6(5) Third antennal segment wholly reddish; posterior notopleural in line  
with or anterior to transverse suture; hairs on lower side of fore-  
femur black.  
7(8) Posterior notopleural in line with transverse suture; plumosity of arista  
at least as wide as 3rd antennal segment; small hairs of anterior  
mesoscutum blackish ..... *E. plumatum* Hendel  
8(7) Posterior notopleural anterior to suture, in ♀ on thumblike forwardly  
directed process; plumosity of arista not as wide as 3rd antennal  
segment; small hairs of anterior mesoscutum yellow .....  
..... *E. rigidum* (Walker)

*Euthyplatystoma plumatum* Hendel

Hendel, 1914, Abhandl. K. K. Zool.-bot. Ges. Wien. 8(1):399.

The type is a male from Singapore in the Hungarian National Museum. I have seen 1 ♂ and 3 ♀♀ labeled "Singapore/Coll. Baker"

<sup>1</sup> Mail address: c/o U.S. National Museum, Washington, D.C. 20560.

received at the USNM with the A. L. Melander collection, as well as a ♀ from Malaya: Selangor Gombak Forest Reserve, 5 Jan. 1963, 2000 ft., in bait trap on tree platform (H. E. McClure).

*E. punctiplenum* (Walker)

*Platystoma punctiplena* Walker, 1861, J. Proc. Linn. Soc. (Zool.). 5:268.

*Euthyplatystoma minutum* Frey, 1964. Notulae Entomol. 44:15. NEW SYN.

Walker's type is a ♀ from Tond[ano], Celebes; that of Frey's species is from 40 km E of Tanggyi (= Taung-gyi), Shan State, and Kambaiti, Kachin State, both in Burma. The description of *E. minutum* did not include a statement of the sex nor designation of a type. I have seen specimens from Malaya: Singapore, Penang Island, and Selangor Gombak Forest Reserve.

*E. rigidum* (Walker)

*Platystoma rigida* Walker, 1857, J. Proc. Linn. Soc. (Zool.). 1:32.

*P. stellata* Walker, *ibid.*

? *P. atomarium* Walker, 1860, J. Proc. Linn. Soc. (Zool.). 4:148.

*P. parvula* Schiner, 1868, Novara Reise:286.

Hendel (1914, Abhandl. K. K. Zool.-bot. Ges. Wien. 8:398) proposed the above synonymy, but also included *Platystoma punctiplena* Walker. The types of *P. rigida* and *P. stellata*, both males, are from Singapore and Malacca, respectively. The type of *P. atomarium* is a ♂ from Makassar, Celebes; it was synonymized with a query by Hendel, and I can do no more. The type of *P. parvula* is a specimen of unstated sex from Batavia (= Djakarta), Java. I have seen specimens from Malaya: Singapore and Selangor Gombak Forest Reserve.

*E. sauteri* Hendel

Hendel, 1914, Abhandl. K. K. Zool.-bot. Ges. Wien. 8(1):400; Gen. Insect., fasc. 157: pl. 15, fig. 280 (wing, showing venation only).

Hendel did not designate a holotype, but cited numerous specimens of both sexes from Taiwan (Taihorinsho and Fuhosho) and 1 ♀ from Tonking (= Tonkin, North Vietnam). I have seen specimens from Taiwan (Daibu, Hassenzan, and Koripapano) and Iriomote, Loochoo (= Ryukyu Islands, Sakashima Guntō).

*E. superbum* (Wulp)

*Platystoma superbum* Wulp, 1881, Midden-Sumatra-Expeditie. 4(9):50, pl. 2, fig. 5.

The type is a ♀ from Kloempang, Central Sumatra. I have seen no specimens.